## **AMENDMENTS TO THE CLAIMS:**

Claims 3-5, 7-9, 11-13, 15-17 and 27-28 are canceled without prejudice or disclaimer. The following is the status of the claims of the above-captioned application, as amended.

A variant of a parent Glycoside Hydrolase Family 53 galactanase, Claim 1 (Original). comprising an alteration in at least one of the following positions: -6, -4, -2, 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 22, 24, 25, 26, 29, 30, 31, 32, 36, 39, 40, 41, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 54a, 54e, 54f, 54g, 54h, 55, 56, 57, 58, 61, 62, 65, 69, 77, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 101, 106, 107, 110, 113, 114, 126, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 144, 145, 146, 147, 150, 153, 157, 159, 163, 169, 171, 172, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 191, 192, 194, 198, 200, 203, 204, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 252, 252d, 252e, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 273, 274, 276, 277, 280, 283, 284, 286, 288, 288a, 289, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 302a, 302d, 302j, 302k, 302m, 302n, 302o, 302q, 302r, 302s, 302t, 302u, 302v, 302x, 302y, 302z, 302aa, 302bb, 302cc, 302dd, 302ee, 302ff, 302gg, 302hh, 302ii, 302jj, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, and 330; wherein

- (a) the alteration(s) are independently
  - (i) an insertion of an amino acid immediately downstream of the position,
  - (ii) a deletion of the amino acid which occupies the position, and/or
  - (iii) a substitution of the amino acid which occupies the position; and
- (b) the variant has galactanase activity.

Claim 2 (Original). The variant of claim 1, wherein the variant comprises at least one of the following substitutions: -6P; -4P; -2P; 1P; 3P; 5A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 7A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 6A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 9A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 8A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 11A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 10A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 13A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 12A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 15A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 14A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 18A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 16A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 22A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 20A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y;

24C,P; 32A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 25P; 26P; 29P; 30C; 31P; 40C; 36A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 39C: 44A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 43A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 46A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 45A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 47A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 48A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 49A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 50A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 51A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 52A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 53A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 54A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 54eA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 54aP: 54fA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 54gA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 55A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 54hA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 57A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 56A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 58A.C.D.E.F.G.H.I.K.L.M.N.P.Q.R.S.T.V.W.Y; 61A,C.D.E.F.G.H.I.K.L,M,N,P,Q,R,S,T,V,W,Y; 62C; 65C: 69C: 77A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 80A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 79A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 82A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 81A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 84A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 83A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 86A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 85A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 87A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 88A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 90A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 89A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 91A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 92A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 94A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 93A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 95A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 96A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 97P; 101P; 106C; 107H,S; 110C; 113C; 114C; 126E; 131A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 133A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 134A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 135A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 136A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 139A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 137A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 140A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 141A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 144P; 142A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 146A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 147P; 150C; 159C; 163C; 169P; 171P; 172P; 178A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 179A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 181A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 180A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 183A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 182A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 185A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 184A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y;

187A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 186A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 189A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 188A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 198P: 200P; 203P; 204P: 194C: 191A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 211A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 210A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 213A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 212A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 215A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 214A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 216A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 216FVASTG: 217A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 218A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 220A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 219A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 221A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 222A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 224A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 223A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 226A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 225A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 228A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 227A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 229A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 230A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 232A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 231A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 234C: 233A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 242A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 241A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 243A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 244A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 245A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 246A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 247A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 248A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 249A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 250A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 252dA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 252A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 252eA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 253A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 254A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 255A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 256A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 257A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 258A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 259A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 261A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 260A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 263A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 262A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 265A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 264A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 274C; 266P; 273A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 277A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 276A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 280A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 283A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 286P: 288P; 288aP; 289P; 293A.C.D.E.F.G.H.I.K.L.M.N.P.Q.R.S.T.V.W.Y; 295A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 294A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y;

297A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 296A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 299A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 298A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 301A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 300A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302aA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302jA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302dP; 302kA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302mA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302oA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302nA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302qA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302rA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302sA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302tA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302uA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302vA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302xA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y, 302yA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302zA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302aaA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302ccP; 302bbA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302ddA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302eeA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302ffA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302ggA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302hhA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302iiA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 303A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 302jjA,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 304A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 305A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 306A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 307A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 309A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 308A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 311A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 310A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 312A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 313A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 314A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 315A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 316A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 317A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 318A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 319A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 321A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 320A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 323A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 322A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 327P; 328C; 324P; 325P: 326A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; 329A,C,D,E,F,G,H,I,K,L,M,N,P,Q,R,S,T,V,W,Y; and/or 330C.

Claims 3-5 (Canceled).

Claim 6 (Currently Amended). The variant of any one of claims 3-5 claim 1, which is a variant of a *Myceliophthora thermophila* galactanase.

Claims 7-9 (Canceled)

Claim 10 (Currently Amended). The variant of any one of claims 7-9 claim 1, which is a variant of a *Humicola insolens* galactanase.

Claims 11-13 (Canceled)

Claim 14 (Currently Amended). The variant of any one of claims 11-13 claim 1, which is a variant of an *Aspergillus aculeatus* galactanase.

Claims 15-17 (Canceled)

Claim 18 (Currently Amended). The variant of any one of claims 15-17 claim 1, which is a variant of a *Bacillus licheniformis* galactanase.

Claim 19 (Currently Amended). The variant of any one of claims 1–18 claim 1, wherein the number designating each position is the number of the corresponding amino acid residue in SEQ ID NO: 1, said corresponding amino acid residue being derivable from an alignment according to Fig. 5 or 6, said alignment including the parent galactanase.

Claim 20 (Currently Amended). The variant of any one of claims 1-19 claim 1, wherein the parent galactanase has an amino acid sequence which has a degree of identity to the amino acid sequence of SEQ ID NO: 1 of at least 25%.

Claim 21 (Currently Amended). The variant of any one of claims 1-20 claim 1, wherein the parent galactanase is obtained from a strain of Yersinia, Aspergillus, Humicola, Meripilus, Myceliophthora, or Thermomyces-, or from a strain of Bacillus, Bifidobacterium, Cellvibrio, Clostridium, Pseudomonas, Thermotoga, or Xanthomonas.

Claim 22 (Currently Amended). An isolated nucleic acid sequence comprising a nucleic acid sequence which encodes the galactanase variant of any one of claims 1-21 claim 1.

Claim 23 (Original). A nucleic acid construct comprising the nucleic acid sequence of claim 22 operably linked to one or more control sequences that direct the production of the galactanase variant in a suitable expression host.

Claim 24 (Original). A recombinant expression vector comprising the nucleic acid construct of claim 23.

Claim 25 (Currently Amended). A recombinant host cell comprising the nucleic acid construct of claim 23 or the vector of claim 24.

Claim 26 (Currently Amended). A method for producing a galactanase variant of any one of elaims 1-21, the method comprising (a) cultivating a recombinant host cell of claim 25; and (b) recovering the polypeptide.

Claims 27 -28 (Canceled).